

Newly Published (2007) ICSBEP Evaluations

EVALUATION #	TITLE	FACILITY	CONTRIBUTOR	CONFIGURATIONS
PU-MET-FAST-038	Plutonium Sphere Reflected by Beryllium	LANL	Hutchinson Loaiza	1
PU-MET-FAST-044	Plutonium (5.1 wt.% 240Pu) Metal Sphere with Beryllium, Graphite, Aluminum, Iron, and Molybdenum Tampers and Polyethylene Reflectors	WSMS	Williamson Clark	5
PU-SOL-THERM-034	Plutonium (8.3 wt.% 240Pu) Nitrate Solution with Gadolinium in Water-reflected 24-inch Diameter Cylinder	WSMS	Schira Knecht	15
PU-SOL-THERM-035	Plutonium (13.8% 240Pu) Nitrate Solution in Unreflected 17.9-inch Diameter Cylinder	WSMS	Bridges	0
HEU-MET-FAST-080	Bare, Highly Enriched Uranium Fast Burst Reactor Caliban	CEA	Autier Mechitoua	1
HEU-MET-FAST-084	HEU Metal Cylinders with Magnesium, Titanium, Aluminum, Graphite, Mild Steel, Nickel, Copper, Cobalt, Molybdenum, Natural Uranium, Tungsten, Beryllium, Aluminum Oxide, Molybdenum Carbide, and Polyethylene Reflectors	INL Jones	Jones	27
HEU-MET-FAST-085	Highly Enriched Uranium Metal Spheres Surrounded by Copper, Cast Iron, Nickel, Nickel-copper-zinc Alloy, Thorium, Tungsten Alloy, or Zinc Reflectors	INL Feener	Feener	6
HEU-MET-FAST-086 (Internet Publication)	The GODIVA-IV Prompt Burst Experiment	LANL	Mosteller	1
HEU-MET-MIXED-015	Heterogeneous Cylinder of Highly Enriched Uranium, Polyethylene, and Titanium with Polyethylene Reflector	VNIITF	Lipilina Lyutov Serikov Sokolov	1
SUB-HEU-MET-THERM-002	Water Moderated U (93.15 wt.%) Aluminum Research Reactor Fuel Element Subcritical Noise Measurements with Strong Neutron Absorbing Materials	ORNL	Blakeman Valentine	6

HEU-SOL-THERM-046	Highly Enriched Uranium (89.84 wt.% 235U) Sulfate Solutions Reflected by Beryllium Oxide and Graphite Proserpine Reactor - SACLAY	IRSN	Poullot	13
IEU-MET-FAST-019	45.5% 235U Pseudo-cylindrical Metal Slabs: Bare Assemblies	AWE	Humphreys Tancock	2
IEU-COMP-THERM-008	Graphite Annular Core Assemblies with Spherical Fuel Elements containing Coated UO ₂ Fuel Particles	Kurchatov Institute	Ponomarev Stepnoi Glushkov Kompaniets Polyakov	5
IEU-COMP-MIXED-002 (Internet Publication)	Unreflected UF ₄ -CF ₂ Blocks with 30, 25, 18.8, and 12.5% 235U	ORNL	Elam	9
LEU-COMP-THERM-053	VVER Physics Experiments: Regular Hexagonal (1.27 cm Pitch) Lattices of Low-enriched U(4.4 wt.% 235U)O ₂ Fuel Rods in Light Water at different Core Critical Dimensions	RRC Kurchatov Institute	Alexeyev Krainov Kravchenko Tsvetkov	14
LEU-COMP-THERM-071	Low Moderated 4.738-wt.-%-Enriched Uranium Dioxide Fuel Rod Arrays	IRSN	Leclaire	4
LEU-COMP-THERM-081	PWR Type UO ₂ Fuel Rods with Enrichments of 3.5 and 6.6 wt.-% with Burnable Absorber ("OTTO HAHN" Nuclear Ship Program, Second Core)	Jozef Stefan Institute	Rogan Ravnik Snoj Lengar	1
LEU-COMP-THERM-091	Critical Loading Configurations of the IPEN/MB-01 Reactor with UO ₂ , Stainless Steel and GD ₂ O ₃ Rods	IPEN	Santos Silva Fanaro Yamaguchi Jerez	9
LEU-MISC-THERM-003	STACY: A 60-cm-Diameter Tank containing 5%-Enriched UO ₂ Fuel Rods (1.5-cm Square Lattice Pitch) in 6%-Enriched Uranyl Nitrate Solutions	JAEA	in progress	15
MIX-COMP-FAST-002	ZPR-6 Assembly 7 High 240Pu Core: A Cylindrical Assembly with Mixed (PU,U)-Oxide Fuel and a Central High 240Pu Zone	ANL	Lell	1
FUND-LLNL-1/E-U235-TRANS-001	Self-shielded Fission Rates for 235U	LLNL 6/6	Lee	6
FUND-NIST-CF-MULT-FISS-002	235U, 239Pu, 238U, and 237Np Fission Rates for Cadmium Covered Fission Chambers	INL 20/24	Kim Schaefer	20